

**List of Critical Errors for MDC Quarterly Feedback
Starting October 1, 2002**

Code or RT	Error Description
601	CALIBRATION_GAS_LEVEL (Invalid Value)
601	INSTRUMENT_SPAN (Invalid Value)
601	INDICATOR_OF_ABORTED_TEST (Invalid Value)
601	INJECTION_DATE (Invalid Value)
601	REFERENCE_VALUE (Invalid Value)
610	OPERATING_LEVEL (Invalid Value)
610	RUN_STATUS_FLAG (Invalid Value)
610	RUN_NUMBER (Invalid Value)
610	REFERENCE_METHOD_VALUE (Invalid Value)
610	MONITORING_SYSTEM_VALUE (Invalid Value)
610	UNITS_OF_MEASURE (Invalid Value)
610	RUN_END_DATE (Invalid Value)
610	RUN_END_TIME (Invalid Value)
610	RUN_START_DATE (Invalid Value)
610	RUN_START_TIME (Invalid Value)
611	REFERENCE_METHOD_USED (Invalid Value)
614	PERCENT_CO2_DRY (Invalid Value)
614	PERCENT_O2_DRY (Invalid Value)
614	PERCENT_MOISTURE (Invalid Value)
614	BAROMETRIC_PRESSURE (Invalid Value)
614	STACK_STATIC_PRESSURE (Invalid Value)
614	NUMBER_OF_TRAVERSE_POINTS (Invalid Value)
614	STACK_DIAMETER_AT_TEST_PORT (Invalid Value)
615	STACK_TEMPERATURE (Invalid Value)
615	PROBE_VELOCITY_CALIBRATION_COEFFICIENT (Invalid Value)
615	PITCH_ANGLE_OF_FLOW (Invalid Value)
615	YAW_ANGLE_OF_FLOW (Invalid Value)
615	NEAR_WALL_IDENTIFIER (Invalid Value)
ARP-1	System Parameter Inappropriate for ARP/SUBH

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Code or RT	Error Description
ARP-11A	Primary Monitoring System Missing for Methodology
ARP-11B	Monitoring System Missing for Methodology
ARP-11C	Primary Monitoring System Missing for Methodology
ARP-11C1	Primary Monitoring System Missing for Methodology
ARP-11C2	Primary Monitoring System Missing for Methodology
ARP-11D	Monitoring System Missing for Methodology
ARP-11D1	Monitoring System Missing for Methodology
ARP-11D2	Monitoring System Missing for Methodology
ARP-11E	Primary Monitoring System Missing for Methodology
ARP-11F	Monitoring System Missing for Methodology
ARP-11G	Primary Monitoring System Missing for Methodology
ARP-11H	Monitoring System Missing for Methodology
ARP-11I	Primary Monitoring System Missing for Methodology
ARP-11J	Monitoring System Missing for Methodology
ARP-14A	Missing RT 585 for ARP Unit
ARP-14B	Missing CEM Methodology for ARP Unit
ARP-28A	Invalid LME Default
ARP-28B	Inappropriate LME Default
ARP-28C	Inappropriate LME Default Rate
ARP-29A	Missing RT 536
ARP-3A	Missing NO _x Formula for Unit
ARP-3B	Missing NO _x Formula for Stack
ARP-56	Not Enough Units Associated with CS
ARP-7	Formula Inconsistent with Type of System/Component
ARP-8C	Zero NO _x MER or MPC in GNOX/ONOX Record
ARP-72A	Missing Heat Input RT 585 for Subpart H Unit
ARP-72B	Missing Heat Input CEM Methodology for Subpart H Unit
LIN-11	Invalid Zero Gas Level
LIN-12	Too Few Gas Injections

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Code or RT	Error Description
LIN-1A	Component Not Found in MP File
LIN-1B	Component Type Inappropriate for Linearity Check
LIN-15A	No Recalculation Performed, Invalid Data
LIN-22	Passed Result Reported Inconsistent with Failing Recalculated
LIN-3	Simultaneous Gas Injections
LIN-4	Inappropriate Gas Injections Sequence
LIN-5	Too Many Gas Levels
LIN-6A	Inappropriate Gas Levels (ARP/SUBH)
LIN-6B	Inappropriate Gas Levels (OTC)
LIN-8	Reference Values Inconsistent with Calibration Gas Levels
NBP-12	Missing DAHS Component
NBP-14A	Invalid Component ID Format
NBP-14B	Invalid System ID Format
NBP-15	System Parameter Not Appropriate for Stacks/Pipes
NBP-16	System Missing Required Component
NBP-18A	NOx System Missing NOx Component
NBP-18B	NOx System Missing Required Component
NBP-31	No System to Support Formula Code
NBP-34	No Corresponding System for Span Record
NBP-37A	RT 530 SO ₂ /NO _x /Flow MPC/MEC and MPF Check
NBP-37B	Span Equal to Zero
NBP-40A	NO _x MER Equal to Zero
NBP-42A	High Scale Span Value < Low Scale Span Value
NBP-44	Invalid Units of Measure for NO _x /SO ₂
NBP-45	Invalid Units of Measure for O ₂ /CO ₂
NBP-46	Invalid Units of Measure for Flow
NBP-61	HI Methodology Missing
NBP-68	NO _x Methodology Missing
NBP-6A	Internal Dates Not in Order

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Code or RT	Error Description
NBP-7	Invalid Unit Class
RATA-1A	System Not Found in MP
RATA-1B	Type of System Should Not Have RATA
RATA-1C	Type of System Should Not Have RATA (NBP)
RATA-13A	RA Not Recalculated, Invalid Data
RATA-13B	Flow RATA Contains Invalid Data
RATA-28C	Reported BAF Inconsistent with Recalculated BAF
RATA-29A	Reported Multi-load BAF Inconsistent with Recalculated BAF
RATA-3	Units of Measure Inconsistent with Type of System
RATA-30A	Reported Passed RA Inconsistent with Failing Recalculated RA (Single Load)
RATA-30B	Reported Passed RA Inconsistent with Failing Recalculated RA (Multiple Load)
RATA-33A	Reference Method for Flow RATA Inappropriate for RTs 614/515
RATA-33B	Reference Method Code for Flow RATA Invalid
RATA-33C	Missing RT 611 for Flow RATA
RATA-33D	Method Codes in RT 611 and 614 Inconsistent
RATA-33E	Reference Method for Flow RATA Not Found
RATA-33F	Reference Method Not Determined for Flow RATA
RATA-34	Insufficient # of RTs 614
RATA-35A	RT 614 Stack Diameter < 3.3
RATA-36A	Invalid WAF Reported for non-2H Method
RATA-36B	Calculated WAF for the Operating Level Not Reported
RATA-37A	Invalid Default WAF Reported for non-2FH/2GH Method
RATA-37B	Both Calculated and Default WAFs Reported
RATA-37C	Inappropriate Default WAF Reported (Not 0.990 or 0.9950)
RATA-37D	No Calculated or Default WAF Reported for Method 2H
RATA-39	# of Traverse Records Inconsistent with # of Points Reported
RATA-4	Simultaneous or Concurrent Runs
RATA-40A	Duplicate Traverse Points IDs
RATA-41A	Inconsistent Probe Types

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RATA-41B	Inappropriate Probe Types for Method 2F
RATA-41C	Inappropriate Probe Types for Method 2G
RATA-41D	Inappropriate Probe Types for Method 2
RATA-43A	Neither Average Velocity DP or Sq Root of DP Differences Reported
RATA-43B	Both Average Velocity DP or Sq Root of DP Differences Reported
RATA-44C	No Replacement Velocity for Exterior Method 1 Traverse Point Reported
RATA-44E	Exterior Method 1 Traverse Point Does Not Have 2 Wall Effect Measurement Points
RATA-46C	Replacement Velocity Reported for Non Exterior Method 1 Point
RATA-47	# of Traverse Points < 14
RATA-48C	Average Recalculated Velocity < 29 ft/sec
RATA-50B	Four Ext Method 1 Points Not Identified
RATA-51B	Wall Effects Runs Not Identified for Method 2H
RATA-51C	Wall Effect Runs Not Identified for Method 2F, 2G or 2H
RATA-51D	Number of Traverse Points Differs for Runs Used to Calculate WAF
RATA-51H	Reported Default WAF but One or More Runs Used More than 16 Traverse Points
RATA-54B	Default WAF < > 0.9900/0.9950
RATA-6	Too Many Runs Excluded
RATA-7	Fewer Than 9 Runs Included
RATA-8	Runs Out-of-sequence or Missing
RATA-IMP3	Run Completion Date Out of Date Range, Test Not Imported
TEST-1	Time Validation (Improperly formatted time)
TEST-2	Comparison of Start and End Times
TEST-3	Program Criteria Check
TEST-4	Future Date Check
TEST-IMP1B	No Monitoring Plan Found, Data Not Imported
TEST-IMP2B	Unit/Stack/Pipe Not Identified in MP, Data Not Imported
TEST-IMP4	Required Key Fields Blank, Data Not Imported
TEST-IMP5	Monitoring System Not Found in MP, Data Not Imported

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Code or RT	Error Description
TEST-IMP6A	Components Not Found in Monitoring Plan, Data Not Imported
TEST-IMP6B	Components Not Linked to Monitoring System, Data Not Imported
TEST-IMP8	Missing Test Numbers, Test Not Imported